

In the Claims:

Please amend claims 1, 3, 5-17, 19-21, 23-27 and 29-30 and cancel claim 31 as indicated below. This listing of claims replaces all prior versions.

1. (Currently amended) An audio system for use with an audio source that provides an input audio signal, the system comprising:

an acoustic source to combine an identification signal with the input audio signal to produce an output audio signal, the identification signal identifying the acoustic source; an audio signal generating means for output of an audio signal, and

a remote control device for to control of the acoustic source, audio signal generating means, the audio signal generating means having means arranged for including an identification signal within the audio output and serving to identify the audio signal generating means from which the audio signal is output, the remote control device being arranged to receive the output audio signal, identification signal and to identify the acoustic source audio signal generating means from which the audio signal is output based on the identification signal.

2. (Original) An audio system as claimed in Claim 1, wherein the identification signal included within the output audio signal is arranged to be inaudible.

3. (Currently amended) An audio system as claimed in claim 1, wherein the output input audio signal is modulated with the identification signal.

4. (Previously presented) An audio system as claimed in claim 1, wherein the identification signal comprises a pseudo random noise signal.

5. (Currently amended) An audio system as claimed in claim 1, and including means arranged circuitry to determine the distance between the acoustic source audio signal generating means and the remote control device.

6. (Currently amended) An audio system as claimed in Claim 5, wherein the circuitry to determine means for determining the said distance is responsive to a timed receipt of the identification signal.
7. (Currently amended) An audio system as claimed in Claim 6, wherein the remote control device is arranged to generate a timing reference signal and transmit the same timing reference signal to the acoustic source audio signal generating means.
8. (Currently amended) An audio system as claimed in Claim 6, wherein the acoustic source audio signal generating means is arranged to produce ~~the a~~ timing reference signal and to transmit an indication of that the timing reference signal to the remote control unit.
9. (Currently amended) An audio system as claimed in claim 5, wherein the said distance between the acoustic source audio signal generating means and the remote control device is determined on the basis of the timed receipt of the audio output signal from the acoustic source audio signal generating means at the remote control device.
10. (Currently amended) An audio system as claimed in claim 1, wherein the remote control unit is arranged to transmit a controlling signal to the acoustic source audio signal generating means serving to control the volume of the output audio signal in a manner responsive to a change in distance of the remote control device from the acoustic source audio signal generating means.
11. (Currently amended) An audio system as claimed in Claim 10, wherein the change in distance is determined on the basis of a change in magnitude of ~~an~~ the output audio signal as received at the remote control device.
12. (Currently amended) An audio system as claimed in claim 1, further comprising and including means arranged for determining circuitry to determine the position of the remote control device relative to the acoustic source audio signal generating means and on the basis of the identification signal received at the remote control device.

13. (Currently amended) An audio system as claimed in Claim 12, wherein the acoustic source audio signal generating means is arranged to provide a plurality of output channels, wherein a different identification signal is associated with the audio signal output from each channel.
14. (Currently amended) An audio system as claimed in Claim 13, wherein the remote control device is arranged to transmit a signal to the acoustic source audio signal generating means serving to vary the output from at least one of the said channels in response to the determined position of the remote control device relative to the acoustic source audio signal generating means.
15. (Currently amended) An audio system as claimed in Claim 13, wherein the remote control device is arranged to transmit a signal to the acoustic source audio signal generating means serving to vary the output from at least one of the said channels in response to a change in position of the remote control device relative to the acoustic source audio signal generating means.
16. (Currently amended) An audio system as claimed in Claim 15, further comprising and including a plurality of acoustic sources audio signal generating means arranged to be located in a spaced relationship and including means for the circuitry to hand-over of the audio signal output there-between responsive to a control signal from the remote control device, the remote control device being arranged to generate the control signal responsive to determination of the change in location of the remote control device relative to the said plurality of acoustic sources audio signal generating means.
17. (Currently amended) An audio system as claimed in claim 1, wherein the acoustic source audio signal generating means is arranged such that the identification signal is included within the output audio signal and with a relatively high carrier frequency.

18. (Original) An audio system as claimed in Claim 17 wherein the carrier frequency comprises at least a low ultrasound frequency.

19. (Currently amended) A method of controlling an acoustic source audio signal generating means arranged for the outputting of an audio signal, the method comprising: and including the steps of

combining including an identification signal within the an input audio signal to produce an output audio signal, and which serves to identify the audio signal generating means from which the output is generated the identification signal identifying the acoustic source; and

receiving, at a remote control device arranged for control of the acoustic source audio signal generating means, the output audio signal identification signal; and

processing the received output audio signal same so as to identify the acoustic source means from which the audio signal was output based on the identification signal; and so as to allow for delivery of

transmitting a control signal from the remote control device to the identified acoustic source audio signal generating means.

20. (Currently amended) A method as claimed in Claim 19, wherein the identification signal included within the output audio signal is arranged to be inaudible.

21. (Currently amended) A method as claimed in claim 20, wherein the output input audio signal is modulated with the identification signal.

22. (Previously presented) A method as claimed in claim 19, wherein the identification signal comprises a pseudo random noise signal.

23. (Currently amended) A method as claimed in claim 19, further comprising and including the step of determining the a distance between the acoustic source audio signal generating means and the remote control device.

24. (Currently amended) A method as claimed in claim 23 [[19]], wherein the remote control unit is arranged to transmit [[a]] the controlling signal to the acoustic source audio signal-generating means serving to control the volume of the output audio signal in a manner responsive to a change in the distance of the remote control device from the acoustic source audio signal-generating means.

25. (Currently amended) A method as claimed in Claim 24, wherein the change in distance is determined on the basis of a change in magnitude of ~~an~~ the output audio signal as received at the remote control device.

26. (Currently amended) A method as claimed in claim 19, further comprising and including the step of determining the a position of the remote control device relative to the acoustic source audio signal-generating means and on the basis of the identification signal received at the remote control device.

27. (Currently amended) An acoustic source audio signal-generating means for use in an audio system which includes an audio source that provides an input audio signal and a remote control device that controls the acoustic source responsive to an output audio signal provided by the acoustic source, the acoustic source comprising: an output of an audio signal and having means for including

circuitry to combine an identification signal with the input output audio signal to produce the output audio signal, the identification signal identifying the acoustic source; and serving to identify the audio signal generating device
circuitry to provide the output audio signal to the remote control device.

28. (Canceled)

29. (Currently amended) A remote control device for controlling an output audio signal output from provided by an acoustic source audio signal-generating means, the acoustic source combining an identification signal with an input audio signal to produce the output

audio signal, the identification signal indentifying the acoustic source, the remote control device comprising:

circuitry, including an antenna, to receive the output audio signal;
circuitry, including a processor, to process the received output audio signal to identify the acoustic source based on the identification signal; and
circuitry, including a transmitter, to transmit a control signal to the identified acoustic source being arranged to receive and process an identification signal from the audio signal generating means and so as to identify the audio signal generating means from which an audio signal is output.

30. (Currently amended) A remote control device for controlling an audio signal output for audio signal generating means by an acoustic source and arranged for use in an audio system as claimed in claim 1.

31. (Cancelled)